

WHAT IS CLAIMED IS:

1. A method for controlling operation time of an electric nailer comprising:

5 a power source providing power for a predetermined voltage value;

an electromagnetic coils connected to the power source and actuated to generate and/or stop a magnetic force;

a control unit connected to the power source and employed to actuate the electromagnetic coils;

10 a moving member relatively moving driven by the magnetic forces effected or stopped by the electromagnetic coils;

wherein the power source provides DC power for a predetermined voltage value, the DC power source provides power for the electromagnetic coils which effects the electromagnetic forces as well
15 as the control unit which actuates the electromagnetic coils, the control unit serves to control the output of the DC power at a standard reference potential or predetermined potential, by such arrangements, the control unit is capable of actuating the electromagnetic coils at any period of time.

20 2. The method for controlling operation time of an electric nailer as claimed in claim 1, wherein the control unit further comprises a travel-time control unit connecting with a driving unit, the travel-time control unit is connected to the power source while the driving unit links with the

electromagnetic coils.

3. The method for controlling operation time of an electric nailer as claimed in claim 2, wherein the travel-time control unit includes an voltage regulation element, four current limit resistances, a time-control
5 capacitor and a time-control integrated circuit (IC).

4. The method for controlling operation time of an electric nailer as claimed in claim 2, wherein the driving unit includes three voltage-divider resistances and four driving transistors, which serve to actuate the electromagnetic coils.

10 5. The method for controlling operation time of an electric nailer as claimed in claim 1, wherein the moving member is a driver having a striking pin connected at an end.